

Title (en)

METHOD AND DEVICE FOR THE DIAGNOSIS OF RESONANT VIBRATIONS IN A MECHATRONIC SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DIAGNOSTIK VON EIGENSCHWINGUNGEN EINES MECHATRONISCHEN SYSTEMS

Title (fr)

PROCEDE ET DISPOSITIF DE DIAGNOSTIC DES VIBRATIONS RESONANTES D'UN SYSTEME MECATRONIQUE

Publication

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Application

EP 01274069 A 20010912

Priority

DE 0103503 W 20010912

Abstract (en)

[origin: WO03027627A1] The invention relates to a method for the diagnosis of characteristic vibrations in a mechatronic system, comprising at least one rigid body (WT1, WT2), which is displaced relative to another rigid body (S), by means of at least one numerically-controlled drive, whereby the characteristic vibrations are caused by the drive (A1, A2) and are detected by sensors (WM1, WM2, N1, N2, BA1, BA2,) within or external to the system. The drives (A1, A2) can be used as a system-internal, vibration-generator, a so-called rotatory shaker by superimposing white noise on a constant speed for the drive, or by wobbling the frequencies.

IPC 8 full level

G01M 7/02 (2006.01); **G01M 7/00** (2006.01)

CPC (source: EP US)

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Citation (examination)

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- EP 0427146 A1 19910515 - NIPPON KOGAKU KK [JP]

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DOCDB simple family (application)

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